

Notifiable Disease Surveillance Monthly Report

Metro Public Health Department

Date: May 13, 2003



April 2003 Reported Notifiable Diseases at a Glance

Disease	April 2003	Cumulative through April 2003	April 2002	Cumulative through April 2002
AIDS* - pages 3 & 4	20	69	20	60
HIV* - pages 3 & 4	24	89	27	105
Sexually Transmitted Diseases - page 3				
Chlamydia	207	942	180	711
Gonorrhea	106	501	94	418
Primary and Secondary Syphilis	2	9	3	20
Other Syphilis	17	67	9	96
Tuberculosis - page 8	5	18	4	19
Communicable Diseases ** - pages 5-7				
Gastrointestinal Diseases ¹	3	20	9	35
Hepatitis A	0	3	2	9
VRE & DRSP ²	3	24	8	42
<i>Neisseria meningitidis</i> Disease	0	0	1	1
Bacteremia and meningitis caused by:				
<i>Haemophilus influenzae</i>	0	1	0	1
Group A streptococcus	0	8	1	2
<i>Listeria monocytogenes</i>	0	0	0	0
Other Bacteria ³	0	2	0	1
Other Communicable Diseases ⁴	1	1	0	0
Vaccine-preventable Diseases** - pages 5 & 7				
Influenza-like Illness [^]	1	913	12	221
Other ⁵	0	6	2	7

*Includes both Davidson County residents and non-Davidson County residents

**Presented on this page by event date

[^]Includes cases reported as confirmed and probable

¹ Gastrointestinal diseases = campylobacteriosis, *E-coli* 0157:H7, giardiasis, salmonellosis, and shigellosis

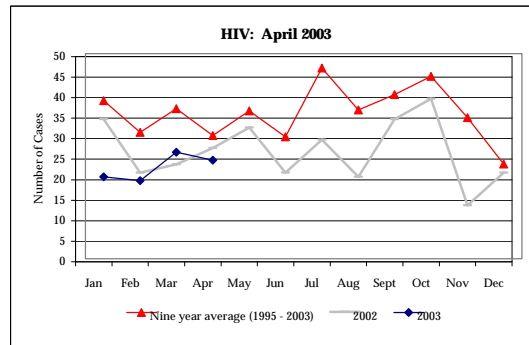
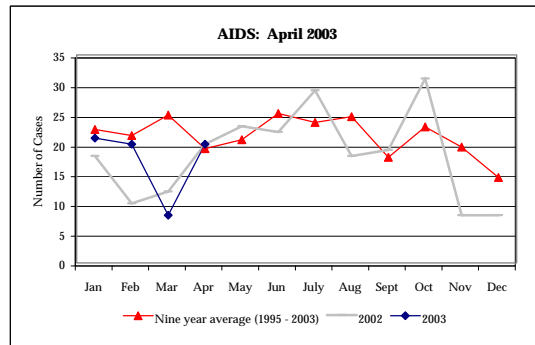
²VRE = Vancomycin resistant enterococci / DRSP = drug resistant *Streptococcus pneumoniae*

³See page 9 for a list of bacteria included in this category

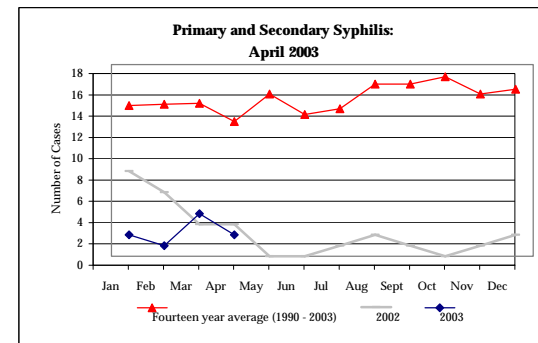
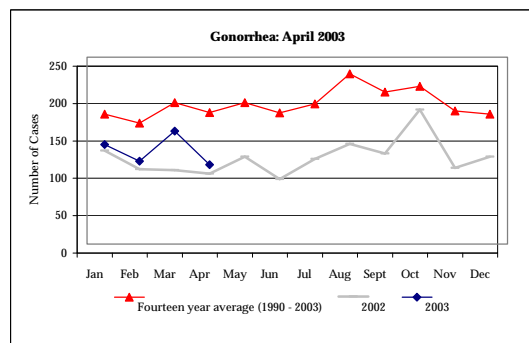
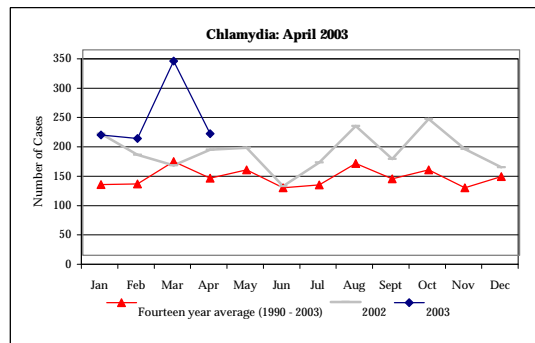
⁴Includes diseases listed in tables on pages 5 through 7 categorized as "Other"

⁵Includes diphtheria, measles, mumps, pertussis, and tetanus

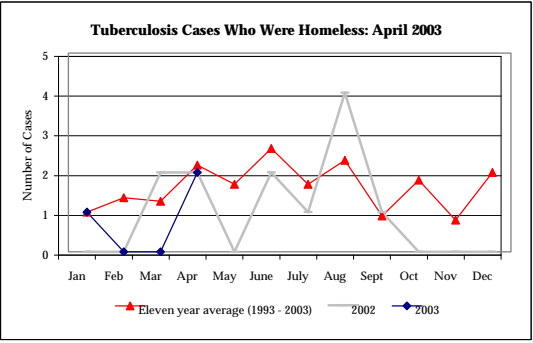
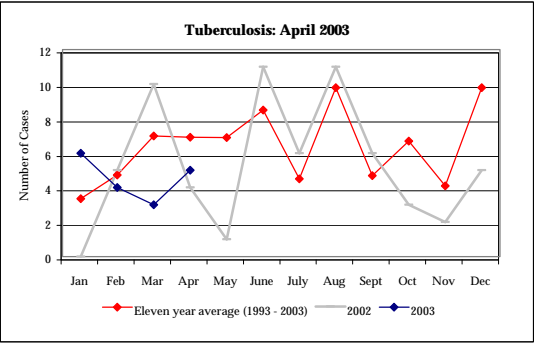
HIV/AIDS



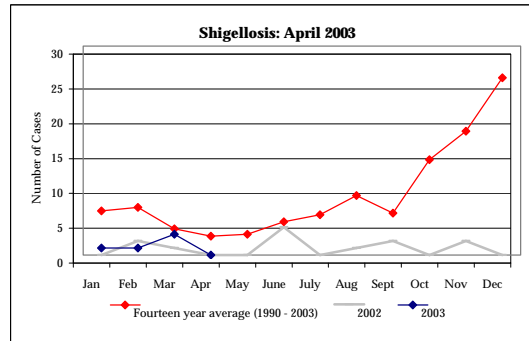
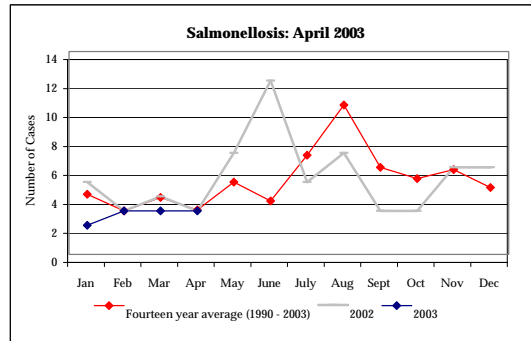
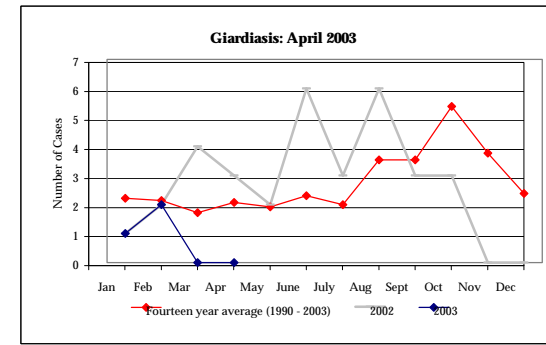
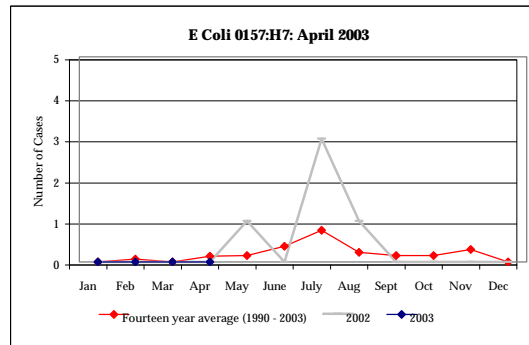
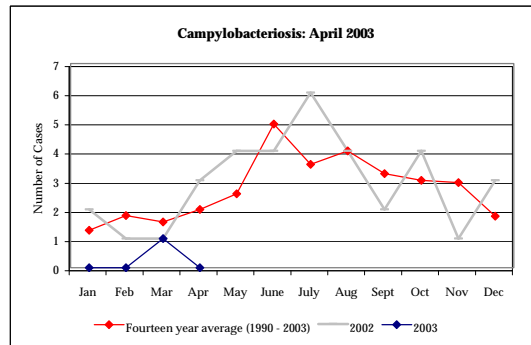
Sexually Transmitted Diseases



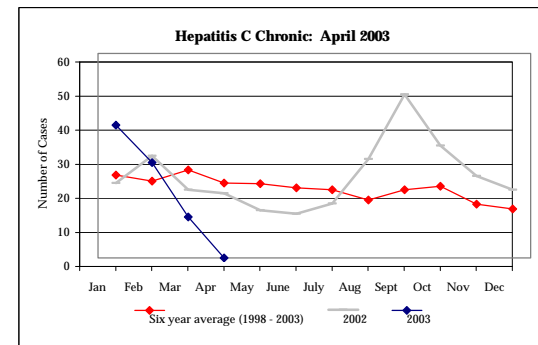
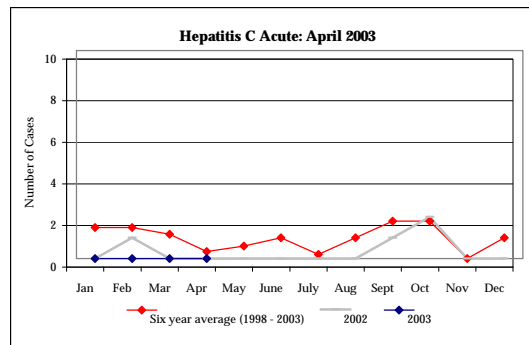
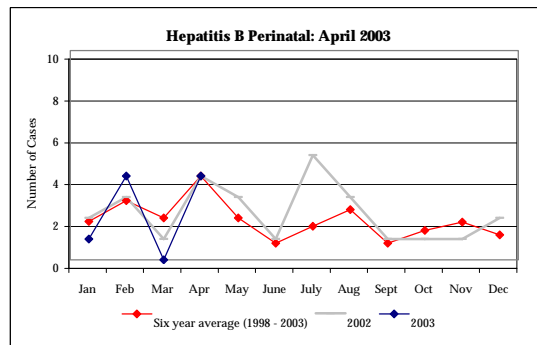
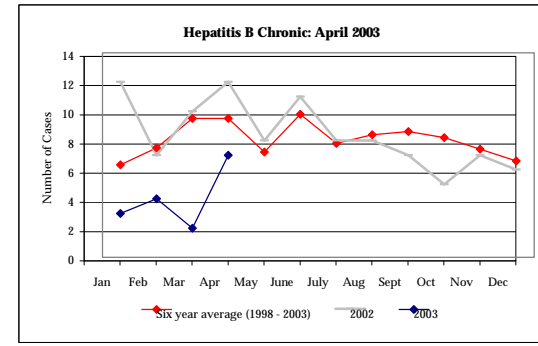
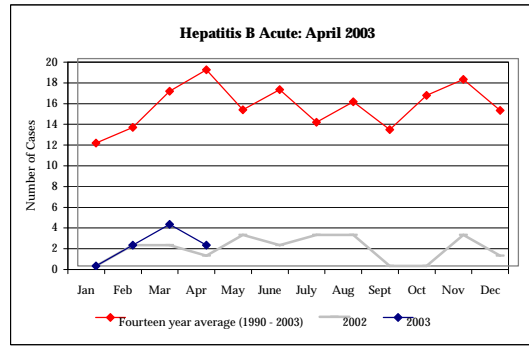
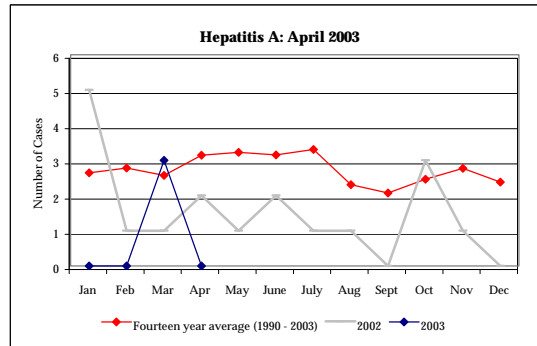
Tuberculosis



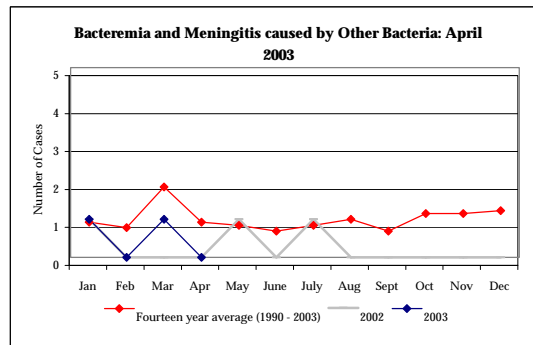
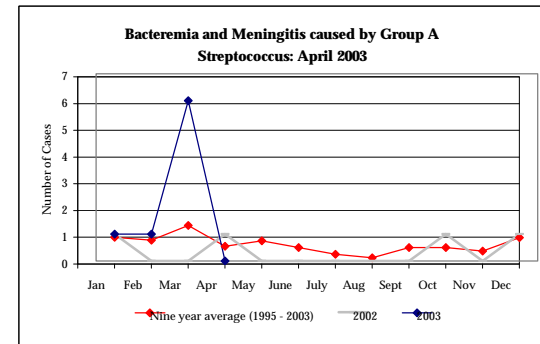
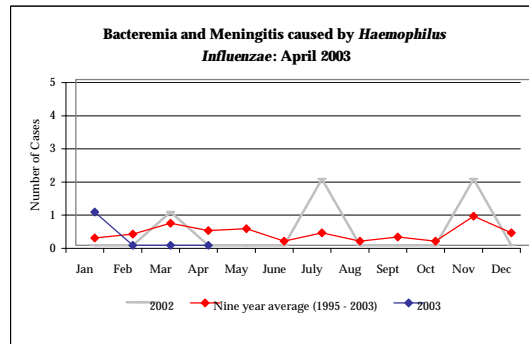
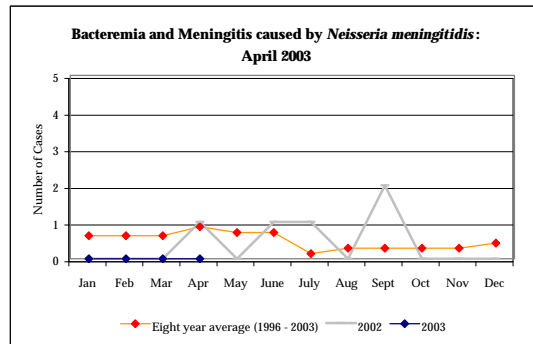
Gastrointestinal Diseases



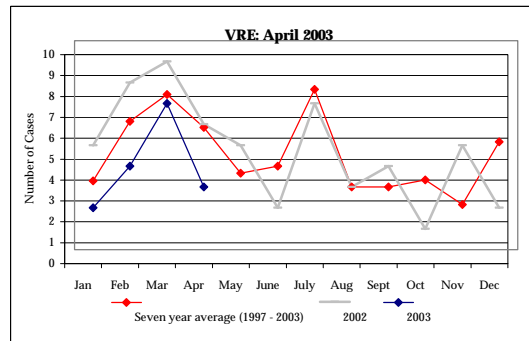
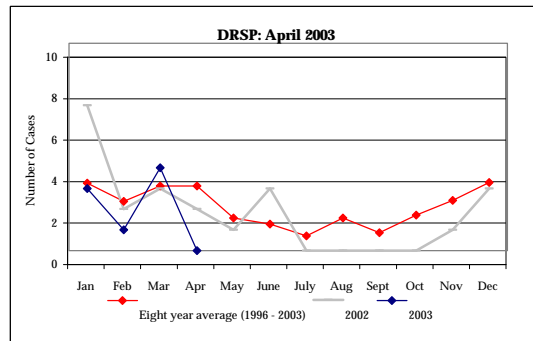
Hepatitis



Meningitis

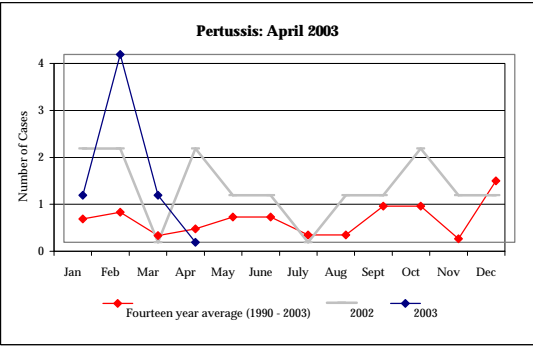
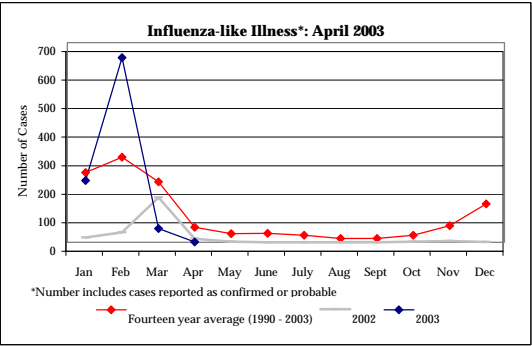


DRSP and VRE



Other Communicable Diseases

Vaccine-preventable Diseases



Notifiable Disease Surveillance Monthly Report: AIDS/HIV/STDs

Month: April, 2003 by Date of Report

Disease	Reported Cases	Place of Diagnosis		Race				Gender			Age										Previous Year
		MHD	Other	White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	April, 2002
AIDS/HIV																					
AIDS*	20		20	9	10	1		16	4					3	6	9	2				20
HIV*	24	3	21	14	9	1		18	6					6	7	7	3	1			27
Sexually Transmitted Diseases																					
Chlamydia	207	73	134	59	129	3	16	65	142				83	97	21	4	2				180
Gonorrhea	106	43	63	28	72	2	4	59	47				24	53	23	4	2				94
Syphilis, Primary	1		1	1				1						1							1
Syphilis, Secondary	1		1		1				1						1						2
Syphilis, Congenital																					
Syphilis, Other	17	3	14	9	8			16	1					4	6	2	4	1			9
Total Syphilis	19	3	16	10	9	0	0	17	2	0	0	0	0	5	7	2	4	1	0	0	12
Total STDs	332	119	213	97	210	5	20	141	191	0	0	0	107	155	51	10	8	1	0	0	286
Syphilis Cases Who Were Homeless	1		1		1			1							1						0
Cumulative through April, 2003																					
AIDS/HIV																					
AIDS*	69		69	34	34	1		51	18					9	20	30	8	2			60
HIV*	89	18	71	41	46	2		66	23				1	23	27	27	8	3			105
Sexually Transmitted Diseases																					
Chlamydia	942	289	653	287	591	14	50	261	681				322	499	102	15	4				711
Gonorrhea	501	213	288	109	369	6	17	272	229				117	223	100	42	15	3	1		418
Syphilis, Primary	3	1	2	2	1			3						2	1						7
Syphilis, Secondary	6	1	5	3	3			3	3						5	1					13
Syphilis, Congenital	0																				
Syphilis, Other	67	18	49	20	47			46	21					19	18	18	9	3			96
Total Syphilis	76	20	56	25	51	0	0	52	24	0	0	0	0	21	24	19	9	3	0	0	116
Total STDs	1,519	522	997	421	1,011	20	67	585	934	0	0	0	439	743	226	76	28	6	1	0	1,245
Syphilis Cases Who Were Homeless	2	1	1		2			2								2					4

Blank space = No report received

Includes both Davidson County and non-Davidson County residents

Notifiable Disease Surveillance Monthly Report: AIDS/HIV Davidson County Resident Only

Month: April, 2003 by Date of Report

Disease	Reported Cases	Place of Diagnosis		Race				Gender			Age										Previous Year
		MHD	Other	White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	April, 2002
AIDS/HIV																					
AIDS	17		17	6	10	1		14	3					2	5	8	2				15
HIV	20	2	18	11	8	1		16	4					6	6	4	3	1			20
Cumulative Through April, 2003																					
AIDS/HIV																					
AIDS	55		55	23	31	1		41	14					6	16	25	7	1			45
HIV	63	23	40	23	39	1		46	17				1	14	18	21	7	2			82

Notifiable Disease Surveillance Monthly Report: AIDS/HIV Non-Davidson County Resident Only

Month:

April, 2003 by Date of Report

Disease	Reported Cases	Place of Diagnosis		Race				Gender			Age										Previous Year
		MHD	Other	White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	April, 2002
AIDS/HIV																					
AIDS	3		3	3				2	1					1	1	1					5
HIV	4	1	3	3	1			2	2						1	3					7
Cumulative Through April, 2003																					
AIDS	14		14	11	3			10	4					3	4	5	1	1			15
HIV	26	5	21	18	7	1		20	6					9	9	6	1	1			23

Blank space = No report received

Notifiable Disease Surveillance Monthly Report: Communicable Disease/Vaccine-Preventable

Month: April, 2003 by Event Date

Disease	Reported Cases	Race				Gender			Age											Previous Year
		White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	April, 2002	
Gastrointestinal Diseases																				
Campylobacteriosis																			3	
E-Coli 0157:H7																			3	
Giardiasis																			3	
Salmonellosis	3	1		2			3			2			1						3	
Shigellosis																				
Total	3	1	0	2	0	0	3	0	0	2	0	0	1	0	0	0	0	0	9	
Hepatitis A, B, and C																				
Hepatitis A																			2	
Hepatitis B																				
-Acute	2				2	2							1	1					1	
-Chronic	7		2	1	4	4	3		1		1	1	1	2			1		12	
-Perinatal	4				4		4					3	1						4	
Hepatitis C																				
-Acute																				
-Chronic																			19	
Total	13	0	2	1	10	6	7	0	1	0	1	4	3	3	0	0	1	0	38	
Bacterial Meningitis and Bacteremia																				
Neisseria meningitidis Disease																			1	
Bacteremia and meningitis caused by:																				
Haemophilus influenzae																				
Group A Streptococcus																			1	
Listeria monocytogenes																				
Other Bacteria																				
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
DRSP/VRE																				
DRSP																			2	
VRE	3	2	1				3							1	1	1			6	
Total	3	2	1	0	0	0	3	0	0	0	0	0	0	1	1	1	0	0	8	
Other																				
Hemolytic Uremic Syndrome	1	1					1			1										
Total	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	
Total of Communicable Diseases	20	4	3	3	10	6	14	0	1	3	1	4	4	4	1	1	1	0	57	
Vaccine-preventable Diseases																				
Diphtheria																				
Influenza-like Illness	1*				1			1										1	12*	
Measles																				
Mumps																				
Pertussis																			2	
Tetanus																				
Total	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	14	

* Reported as confirmed cases

Blank space = No report received

Notifiable Disease Surveillance Monthly Report: Communicable Disease/Vaccine-Preventable

Cumulative Through April, 2003 by Event Date

Disease	Reported Cases	Race				Gender			Age											Previous Year
		White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	April, 2002	
Gastrointestinal Diseases																				
Campylobacteriosis	1				1	1								1					7	
E-Coli 0157:H7																				
Giardiasis	3	1			2	1	2					1	1	1					10	
Salmonellosis	11	4	3	2	2	3	8		3	5			2		1				15	
Shigellosis	5	2			3	2	3			2			1					2	3	
Total	20	7	3	2	8	7	13	0	3	7	0	1	4	2	1	0	0	2	35	
Hepatitis A, B, and C																				
Hepatitis A	3	1			2	2	1					1		1		1			9	
Hepatitis B																				
-Acute	8		1		7	7	1					2	1	2	3				5	
-Chronic	16		3	2	11	10	6		1		3	1	2	4	2	1	2		41	
-Perinatal	9			1	8		9					7	2						10	
Hepatitis C																				
-Acute																			1	
-Chronic	79	41	29	4	5	48	30	1				4	8	37	27	2	1		91	
Total	115	42	33	7	33	67	47	1	1	0	3	15	13	44	32	4	3	0	157	
Bacterial Meningitis and Bacteremia																				
Neisseria meningitidis Disease																			1	
Bacteremia and Meningitis caused by:																				
Haemophilus influenzae	1	1					1										1		1	
Group A Streptococcus	8	6	1		1	2	6					1	2	2		1	2		2	
Listeria monocytogenes																				
Other Bacteria	2	1	1				2						1	1					1	
Total	11	8	2	0	1	2	9	0	0	0	0	1	3	3	0	1	3	0	5	
DRSP/VRE																				
DRSP	8	2	3		3	3	5			1	1	1				1	4		14	
VRE	16	10	4		2	3	13					1	2	3	3	2	5		28	
Total	24	12	7	0	5	6	18	0	0	1	1	2	2	3	3	3	9	0	42	
Other																				
Hemolytic Uremic Syndrome	1	1					1			1										
Total	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	
Total of Communicable Diseases	171	70	45	9	47	82	88	1	4	9	4	19	22	52	36	8	15	2	239	
Vaccine-preventable Diseases																				
Diphtheria																				
Influenza-like Illness	913*				913			913										913	221**	
Measles																				
Mumps																			1	
Pertussis	6	3		1	2	3	3		4	2									6	
Tetanus																				
Total	919	3	0	1	915	3	3	913	4	2	0	0	0	0	0	0	0	913	228	

*Reported as confirmed cases

**218 reported as confirmed cases

Blank space = No report received

Notifiable Disease Surveillance Monthly Report: Hepatitis Risk Factors

Month: April, 2003 by Event Date

Risk Factor	Reported Cases	Information Not Available*	Race				Gender			Age													
			White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk				
Hepatitis A																							
During the 2 - 6 weeks prior to illness:																							
Child/employee daycare																							
Household contact to child in daycare																							
Contact to case																							
Sexual																							
Household																							
Other																							
Foodhandler																							
Consume raw shellfish																							
Part of common-source outbreak																							
Travel																							
South/Central America																							
Africa																							
Caribbean																							
Middle East																							
Asia/South Pacific																							
Australia/New Zealand																							
Other																							
Duration																							
1 - 3 Days																							
4 - 7 Days																							
More than 7 Days																							
Total Reported Cases	0		Hepatitis B																				
Hepatitis B																							
During the 6 weeks - 6 months prior to illness:																							
Contact to case																							
Sexual																							
Household																							
Other																							
Employed in medical/dental field																							
Receive blood products																							
Associated with dialysis or kidney transplant unit																							
Inject street drugs																							
Sexual Preference																							
Heterosexual																							
Homosexual																							
Bisexual																							
Unknown																							
Number of sex partners																							
None																							
One																							
2 - 5																							
More than 5																							
Unknown																							
Dental surgery																							
Other surgery																							
Acupuncture																							
Tattoo																							
Accidental needle stick																							
Object contaminated with blood																							
Received 3 dose hepatitis B series																							
Yes																							
No																							
Total Reported Cases	2	2																					

*When the NETSS field for a specific risk factor is blank (not marked yes or no), that case will be reflected in the count for this column.
Information provided only when case answered positively for the respective risk factor.

Notifiable Disease Surveillance Monthly Report: Hepatitis Risk Factors
Cumulative through April, 2003 by Event Date

Risk Factor	Reported Cases	Information Not Available*	Race				Gender			Age										
			White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	
Hepatitis A																				
During the 2 - 6 weeks prior to illness:																				
Child/employee daycare																				
Household contact to child in daycare																				
Contact to case																				
Sexual																				
Household																				
Other																				
Foodhandler																				
Consume raw shellfish																				
Part of common-source outbreak																				
Travel																				
South/Central America																				
Africa																				
Caribbean																				
Middle East																				
Asia/South Pacific																				
Australia/New Zealand																				
Other																				
Duration																				
1 - 3 Days																				
4 - 7 Days																				
More than 7 Days																				
Total Reported Cases	3	1																		
Hepatitis B																				
During the 6 weeks - 6 months prior to illness:																				
Contact to case																				
Sexual																				
Household																				
Other																				
Employed in medical/dental field																				
Receive blood products																				
Associated with dialysis or kidney transplant unit																				
Inject street drugs	1					1	1					1								
Sexual Preference																				
Heterosexual	5					1	1					2			3					
Homosexual																				
Bisexual																				
Unknown																				
Number of sex partners																				
None	2					2	2								2					
One																				
2 - 5	3			1		2	3					2			1					
More than 5																				
Unknown																				
Dental surgery																				
Other surgery																				
Acupuncture																				
Tattoo																				
Accidental needle stick																				
Object contaminated with blood																				
Received 3 dose hepatitis B series																				
Yes																				
No	5			1		4	5					2			3					
Total Reported Cases	8	3		1		4	5					2			3					

*When the NETSS field for a specific risk factor is blank (not marked yes or no), that case will be reflected in the count for this column.
Information provided only when case answered positively for the respective risk factor.

Notifiable Disease Surveillance Monthly Report: Communicable Disease/Vaccine-Preventable **Month: April, 2003 by Date of Report**

Disease	Reported Cases	Race				Gender			Age											Previous Year
		White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	April, 2002	
Gastrointestinal Diseases																				
Campylobacteriosis	1				1	1								1					1	
E-Coli 0157:H7																				
Giardiasis																				
Salmonellosis	5	2		2	1	2	3			3			1		1				5	
Shigellosis	2				2	1	1											2	1	
Total	8	2	0	2	4	4	4	0	0	3	0	0	1	1	1	0	0	2	7	
Hepatitis A, B, and C																				
Hepatitis A	2	1			1	1	1							1		1				
Hepatitis B																				
-Acute	3				3	3						1	1		1					
-Chronic	7		1		6	3	4		1		2			1	1		2			
-Perinatal	2				2		2					2							1	
Hepatitis C																				
-Acute																				
-Chronic	65	34	24	4	3	39	25	1				3	8	31	20	3			13	
Total	79	35	25	4	15	46	32	1	1	0	2	6	9	33	22	4	2	0	14	
Bacterial Meningitis and Bacteremia																				
Neisseria meningitidis Disease																				
Bacteremia and meningitis caused by:																				
Haemophilus influenzae																				
Group A Streptococcus	3	2	1				3					1	1	1						
Listeria monocytogenes																				
Other Bacteria	1		1				1							1						
Total	4	2	2	0	0	0	4	0	0	0	0	1	1	2	0	0	0	0	0	
DRSP/VRE																				
DRSP	2		1		1	1	1				1						1		1	
VRE	10	7	3			1	9							2	3	2	3		3	
Total	12	7	4	0	1	2	10	0	0	0	1	0	0	2	3	2	4	0	4	
Other																				
Hemolytic Uremic Syndrome	1	1					1			1										
Total	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	
Total of Communicable Diseases	104	47	31	6	20	52	51	1	1	4	3	7	11	38	26	6	6	2	25	
Vaccine-preventable Diseases																				
Diphtheria																				
Influenza-like Illness	39*				39			39										39	7*	
Measles																				
Mumps																				
Pertussis	5	2		1	2	2	3		3	2										
Tetanus																				
Total	44	2	0	1	41	2	3	39	3	2	0	0	0	0	0	0	0	39	7	

* Reported as confirmed cases

Blank space = No report received

Notifiable Disease Surveillance Monthly Report: Communicable Disease/Vaccine-Preventable

Cumulative Through April, 2003 by Date of Report

Disease	Reported Cases	Race				Gender			Age										Previous Year
		White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	April, 2002
Gastrointestinal Diseases																			
Campylobacteriosis	1				1	1								1					4
E-Coli 0157:H7																			
Giardiasis	3	1			2	1	2				1	1	1						4
Salmonellosis	11	4	3	2	2	3	8		3	5		2			1				14
Shigellosis	5	2			3	2	3			2			1					2	3
Total	20	7	3	2	8	7	13	0	3	7	0	1	4	2	1	0	0	2	25
Hepatitis A, B, and C																			
Hepatitis A	3	1			2	2	1					1		1		1			7
Hepatitis B																			
-Acute	6		1		5	5	1					2	1	2	1				3
-Chronic	11		1	1	9	6	5		1		2		1	2	2	1	2		21
-Perinatal	5			1	4		5					4	1						4
Hepatitis C																			
-Acute																			1
-Chronic	79	41	29	4	5	48	30	1				4	8	37	27	2	1		53
Total	104	42	31	6	25	61	42	1	1	0	2	11	11	42	30	4	3	0	89
Bacterial Meningitis and Bacteremia																			
Neisseria meningitidis Disease																			
Bacteremia and Meningitis caused by:																			
Haemophilus influenzae	1	1					1										1		
Group A Streptococcus	8	6	1		1	2	6					1	2	2		1	2		1
Listeria monocytogenes																			
Other Bacteria	2	1	1				2						1	1					1
Total	11	8	2	0	1	2	9	0	0	0	0	1	3	3	0	1	3	0	2
DRSP/VRE																			
DRSP	8	2	3		3	3	5			1	1	1				1	4		12
VRE	16	10	4		2	3	13					1	2	3	3	2	5		15
Total	24	12	7	0	5	6	18	0	0	1	1	2	2	3	3	3	9	0	27
Other																			
Hemolytic Uremic Syndrome	1	1					1			1									
Total	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
Total of Communicable Diseases	160	70	43	8	39	76	83	1	4	9	3	15	20	50	34	8	15	2	143
Vaccine-preventable Diseases																			
Diphtheria																			
Influenza-like illness	916*				916			916										916	208**
Measles																			
Mumps																			1
Pertussis	6	3		1	2	3	3		4	2									4
Tetanus																			
Total	922	3	0	1	918	3	3	916	4	2	0	0	0	0	0	0	0	916	213

*Reported as confirmed cases

**205 cases reported as confirmed

Blank space = No report received

Notifiable Disease Surveillance Monthly Report: Tuberculosis

Month: April, 2003 by Date of Report

Site	Reported Cases	Place of Diagnosis		Race/Ethnicity						Gender			Age											Comments
		MHD	Other	White Non-Hisp	Black Non-Hisp	Hispanic	Amer. Ind/Alask. Nat.	Asian/Pac. Islander	Other	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk		
New Pulmonary Cases	2	1	1	1	1					2								1	1					
New Extrapulmonary Cases	1		1					1		1							1							
New Cases in Dual Sites	2		2	1	1					1	1					1			1					
New Homeless Cases	2	1	1	1	1					2								1	1				Total New Cases	
Total New Cases	5	1	4	2	2			1		4	1					1	1	1	2				April 2002: 4	
Cumulative Through April, 2003																								
Pulmonary																								
Total Cases	13	3	10	7	5			1		10	3				2	1		3	4	2	1			
Extrapulmonary																								
Total Cases	3	1	2	1	1			1		3							2	1						
Dual Sites																								
Total Cases	2		2	1	1					1	1					1			1					
All Sites																								
Total Cases	18	4	14	9	7			2		14	4				2	2	2	4	5	2	1			
Total Homeless Cases	3	1	2	1	2					3								2	1					
Total Drug-resistant Cases																							Cumulative Total Thru	
Total Multi-drug resistant Cases																							April 2002: 19	
Total Cases with HIV Co-infection	1	1		1						1							1							
Total Cases Foreign Born < 5 Years	3		3	1	1			1		3						1		1		1				
Total Cases Foreign Born > 5 Years	3	2	1	1	1			1		3							1	2						

Blank space = No report received

Definitions and Technical Notes

1. Human Immunodeficiency Virus (HIV) / Acquired Immunodeficiency Syndrome (AIDS): Effective January 1, 2000, the Centers for Disease Control & Prevention (CDC) has established a new case definition for HIV infection in adults and children that includes revised surveillance criteria for HIV infection and incorporates the surveillance criteria for AIDS. For adults and children aged ≥ 18 months, the HIV surveillance case definition includes laboratory and clinical evidence specifically indicative of HIV infection and severe HIV disease. For children aged <18 months (except for those who acquired HIV infection other than by perinatal transmission), the HIV surveillance case definition updates the definition in the 1994 revised classification system. The revised case definition includes HIV nucleic acid (DNA or RNA) detection tests and permits reporting of cases based on the result of any test licensed for diagnosing HIV infection in the U.S. The entire case definition may be found in MMWR, December 10, 1999 / Vol.48 / No. RR-13.

Effective January 1, 1993, the CDC expanded the AIDS surveillance to include all HIV infected adolescents and adults aged greater than or equal to 13 years who have either a) less than 200 CD4+ T-lymphocytes/uL; b) a CD4+ T-lymphocyte percentage of total lymphocytes of less than 14%; or c) any of the following three clinical conditions: pulmonary tuberculosis, recurrent pneumonia, or invasive cervical cancer. The expanded definition retained the 23 clinical conditions in the AIDS surveillance case definition published in 1987.

2. Sexually Transmitted Diseases (STDs): Sexually transmitted diseases are infections one can acquire by having sex (vaginal, oral, and/or rectal) with another who has the infection. Viruses or bacteria can cause STDs. Although there are many types of STDs, only HIV/AIDS, chlamydia, gonorrhea, and syphilis are required to be reported to the health department and are presented in this report. HIV/AIDS cases are tabulated separately from other STDs for programmatic reasons.

3. Communicable/Vaccine-preventable Diseases: Communicable diseases in this report are a selected group of notifiable diseases that are reported to the Metropolitan Health Department of Nashville and Davidson County (MHD) regularly (other than AIDS/HIV, STDs, and TB). Other communicable diseases not listed in this report may be added as needed. Communicable diseases make up the largest portion of notifiable diseases, which are diseases that are required by law to be reported to the health department. Diseases that can be prevented by immunization include influenza, measles, mumps, polio, rubella (German measles), pertussis, diphtheria, tetanus, *Haemophilus influenzae* type b, hepatitis B, varicella (chickenpox), and others. Influenza, measles, diphtheria, mumps, pertussis, and tetanus are the six vaccine-preventable diseases listed regularly in this report, although others may be included as needed.

4. Tuberculosis: A chronic bacterial infection caused by *Mycobacterium tuberculosis* (MTB), characterized pathologically by the formation of granulomas. The most common site of infection is the lung, but other organs may be involved. A verified case of TB is a case that has laboratory confirmation of *Mycobacterium tuberculosis* (i.e., positive culture for MTB) or, in the absence of laboratory confirmation, a case that meets the clinical case definition. A clinical case meets all of the following criteria: 1.) It has a positive tuberculin skin test. 2.) Other signs and symptoms compatible with tuberculosis (e.g., an abnormal, unstable [i.e., worsening or improving] chest radiograph, or clinical evidence of current disease are present. 3.) There is treatment with two or more antituberculosis medications. 4.) A completed diagnostic evaluation. Because verification of a tuberculosis case according to the case definition as described above requires 6 – 8 weeks or longer, a case may be reported to the Tennessee Department of Health (TDOH) and presented in this report one to two months or longer after evaluation and care was initiated for the case. Following evaluation for tuberculosis, some persons are determined to not have a laboratory confirmation of MTB or to meet the clinical case definition for the disease, and are therefore not reported to the TDOH.

A TB case should not be counted twice within any consecutive 12-month period. However, cases in which the patients had previously had verified disease should be reported again if the patients were discharged from treatment. Cases also should be reported again if patients were lost to supervision for greater than 12 months and disease can be verified again. Mycobacterium diseases other than those caused by *M. tuberculosis* complex should not be counted in tuberculosis morbidity statistics unless there is concurrent tuberculosis. (Centers for Disease Control & Prevention case definition).

Information pertaining to tuberculosis cases who were homeless is provided beginning in December, 2000. Homeless is defined as:

- (1) An individual who lacks a fixed, regular, and adequate nighttime residence; or
- (2) An individual who has a primary nighttime residence that is:
 - (a) A supervised publicly or privately operated shelter designed to provide temporary living accommodations (including welfare hotels, congregate shelters, and transitional housing for the mentally ill); or
 - (b) An institution that provides a temporary residence for individuals intended to be institutionalized; or
 - © A public or private place not designated for, or ordinarily used as, a regular sleeping accommodation for human beings.

A homeless person may also be defined as a person who has no home, e.g., is not paying rent, does not own a home, and is not steadily living with relatives or friends. Another definition is a person who lacks customary and regular access to a conventional dwelling or residence. Included as homeless are persons who live on streets or in nonresidential buildings. Also included are residents of homeless shelters, shelters for battered women, welfare hotels, and single room occupancy (SRO) hotels which are not designated for permanent long-term housing. The term homeless is applied to any patient who meets the definition of homeless at any time during the 12 months prior to the time when the TB diagnostic evaluation was performed. (Definition from the TIMS User's Guide).

5. **Surveillance:** Continuous analysis, interpretation, and feedback of systematically collected data, generally using methods distinguished by their practicality, uniformity, and rapidity rather than by accuracy or completeness. By observing trends in time, place and persons, changes can be observed or anticipated and appropriate action, including investigative or control measures, can be taken. Sources of data may relate directly to disease or to factors influencing disease. Thus they may include (1) mortality and morbidity reports based on death certificates, hospital records, general practice sentinels, or notifications; (2) laboratory diagnoses; (3) outbreak reports; (4) vaccine utilization-uptake and side effects; (5) sickness absence records; (6) disease determinants such as biological changes in agent, vectors, or reservoirs; (7) susceptibility to disease, as by skin testing or serological surveillance (e.g., serum banks). This definition was taken from "A Dictionary of Epidemiology" third edition, edited by John M. Last, and published in 1995.

6. **Event Date:** Event date is defined as the earliest known date associated with the incidence of the disease. This date may be the date of disease onset, the date of clinical diagnosis, laboratory diagnosis, report to county health department, report to state health department, or as a last resort, any date associated with the case. For purposes of this report, event date is the date of laboratory diagnosis.

7. **Report Date:** Report date is defined as the date that the disease was reported to the Tennessee Department of Health. The report date is always a Saturday. For example, diseases displayed in this report by report date reflect those cases reported to the Tennessee Department of Health from the week ending the second Saturday of the month of the report to the week ending the first Saturday of the current month.

8. NETSS: National Electronic Transmitting Surveillance System
9. TIMS: Tuberculosis Information Management System
10. HARS: HIV/AIDS Reporting System
11. Cumulative totals for STD's, communicable diseases and vaccine-preventable diseases represent only the totals in 1999 and 2000 through the respective month being reported on in 1999 and 2000.
12. HIV/AIDS/STD data:
 - ◆ Provided by: Dan McEachern, Division of STD Control, and Nancy Horner
 - ◆ Date: May 11, 2003
 - ◆ Data Source: STD cases entered into the NETSS database by report date.
 - ◆ HIV/AIDS cases entered into the HARS database during the calendar month of the report.
 - ◆ **Please note:** Number of cases of HIV/AIDS may include both Davidson County residents and non-Davidson County residents. Resident vs. non-resident status is indicated page ten. STD data presented is Davidson County resident data only.
13. Communicable/Vaccine-preventable diseases data:
 - ◆ The data used to prepare the Communicable/Vaccine-preventable Diseases portion of this report were downloaded from NETSS on May 11, 2003 at the Metropolitan Health Department of Nashville and Davidson County by Nancy Horner, Division of Epidemiology.
 - ◆ Data presented is Davidson County resident data only.

In June 2000, changes were made in how bacterial meningitis and bacteremia are presented in the report. These changes were made to 1) make the data more easily interpreted and 2) to more closely represent the manner in which the diseases are reported to CDC through NETSS. The NETSS event numbers used to report these bacteria to the CDC include both cases of meningitis and bacteremia caused by the bacteria. In order to determine whether a reported case is meningitis or bacteremia requires entry into the secondary screens of the NETSS system where laboratory specifics are entered, such as 1) specimen from which the organism was isolated (blood, cerebrospinal fluid, pleural fluid, peritoneal fluid, pericardial fluid, joint, placenta, amniotic fluid, and other) and 2) type of infection caused by the organism (primary bacteremia, meningitis, otitis media, pneumonia, cellulitis, epiglottitis, peritonitis, pericarditis, septic abortion, amnionitis, septic arthritis, conjunctivitis, other); and 3) serogroup. This report will provide only the total numbers for the represented categories. For specific information pertaining to numbers of bacterial meningitis vs. bacteremia, contact Pam Trotter at Ext. 632.

The bacteria included in the "Other Bacteria" category include: Group B streptococcus, *Streptococcus pneumoniae*, *Escherichia coli*, *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Klebsiella* species, *Enterobacter* species, *Serratia* species, *Actinobacter* species, Group D streptococcus, and other streptococcus.

14. Tuberculosis data:

- ◆ Data pertaining to numbers of drug-resistant cases provided by Division of Tuberculosis Elimination.
- ◆ Date:
- ◆ Nancy Horner, Division of Epidemiology, ran the tuberculosis data from the TIMS database on May 12, 2003.
- ◆ Data Source: TIMS. Tuberculosis cases presented in this report reflect surveillance of new cases based on calendar month of report.
- ◆ **Please note:** Cases presented are primarily Davidson County residents, but may include some cases diagnosed, treated, and managed in Davidson County but residing in another county. Those cases not Davidson County residents will be so indicated on the report.

Because determination of drug/multi-drug resistance may require as long as 2 months, beginning with the October 2001 report this information will presented only as cumulative data. Similarly, HIV reports may not be available to accurately reflect by month the HIV status of each case so HIV Co-infection status will presented as cumulative data only.

In September of 2001, maps were added to the report. The maps are geographical representation of individual cases of diseases. The maps are produced using ArcView GIS Version 3.0.

In May of 2002, information pertaining to risk factors for hepatitis A and B were added to the report.